MISSISSIPPI STATE DEPARTMENT OF HEALTH

# BUREAU OF PUBLIC WATER SUPPLY

## CALENDAR YEAR 2010 CONSUMER CONFIDENCE REPORT CERTIFICATION FORM

South Sunflower Water Assn.
Public Water Supply Name

0670013 + 0670015
List PWS ID #s for all Water Systems Covered by this CCR

The Federal Safe Drinking Water Act requires each ***community*** public water system to develop and distribute a consumer confidence report (CCR) to its customers each year. Depending on the population served by the public water system, this CCR must be mailed to the customers, published in a newspaper of local circulation, or provided to the customers upon request.

***Please Answer the Following Questions Regarding the Consumer Confidence Report***

☐ Customers were informed of availability of CCR by: ***(Attach copy of publication, water bill or other)***

- ☐ Advertisement in local paper
- ☐ On water bills
- ☐ Other_____

Date customers were informed: ___/___/___

☒ CCR was distributed by mail or other direct delivery. Specify other direct delivery methods:

Date Mailed/Distributed: 6/1/11

☐ CCR was published in local newspaper. ***(Attach copy of published CCR or proof of publication)***

Name of Newspaper:_____

Date Published: ___/___/___

☐ CCR was posted in public places. ***(Attach list of locations)***

Date Posted:___/___/___

☐ CCR was posted on a publicly accessible internet site at the address: www._____

**CERTIFICATION**

I hereby certify that a consumer confidence report (CCR) has been distributed to the customers of this public water system in the form and manner identified above. I further certify that the information included in this CCR is true and correct and is consistent with the water quality monitoring data provided to the public water system officials by the Mississippi State Department of Health, Bureau of Public Water Supply.

Operator Micah Nightingale
*Name/Title (President, Mayor, Owner, etc.)*

7/14/11
*Date*

***Mail Completed Form to: Bureau of Public Water Supply/P.O. Box 1700/Jackson, MS 39215***
***Phone: 601-576-7518***

South Sunflower Water Assn.
P.O. Box 88
Inverness, MS 38753

# 2011 Annual Drinking Water Quality Report

**South Sunflower Water Association**
PWSID# 670013 & 670015







**South Sunflower Water Assn**
**June 2011**

### Why are there contaminants in my drinking water?

Drinking water, including bottled water, may reasonably expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's (EPA) Safe Drinking Water Hotline (800-426-4791). The sources of drinking water (both tap and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity; microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm-water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm-water runoff and residential uses; organic chemical contaminants, including synthetic and volatile organic chemicals, which are byproducts of industrial processes and petroleum production, and can also come from gas stations, urban storm-water runoff and septic systems; and radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities. In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

### Do I need to take special precautions?

*Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).*

### Additional Information for Lead

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. South Sunflower Water Assn. is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead. The Mississippi State Department of Health Public Health Laboratory offers lead testing for $10 per sample. Please contact 601.576.7582 if you wish to have your water tested.

## Test Results For PWS ID #670013

### Water Purchased from Indianola

| Contaminant (Unit of Measurement) | Date Sampled | Violation Y/N | Range | Average | MCLG | MCL/AL | Likely Source of Contamination |
|---|---|---|---|---|---|---|---|
| **Disinfection ByProducts** | | | | | | | |
| Total Trihalo-methanes (TTHM) (ppb) | 2010 | No | 1.62-3.1 | | 0 | 80 | By-product of drinking water chlorination |
| Haloacetic Acids (HAA5) (ppb) | 2010 | No | 0 | | N/A | 60 | By-product of drinking water disinfection |
| Chlorine (ppm) | 2010 | No | .07-.67 | 0.47 | N/A | 4 | Water additive; used for microbe control |
| **Inorganic Contaminants** | | | | | | | |
| Barium (ppb) | 2010 | No | 9.8-10.96 | | 2000 | 2000 | Discharge of drilling w astes; discharge from metal refineries; erosion of natural deposits |
| Chromium (ppb) | 2010 | No | 2.7-9.8 | | 100 | 100 | Discharge from steel and pulp mills; erosion of natural deposits |
| Fluoride (ppm) | 2010 | No | 0.536-547 | | 4 | 4 | Erosion of natural deposits; w ater additive w hich promotes strong teeth; discharge from fertilizer and aluminum factories |

## Test Results for PWS ID# 670015

### Water Purchased from Inverness

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Disinfection ByProducts** | | | | | | | |
| TTHM (Total Trihalo-methanes) (ppb) | 2010 | No | 29.14 | | 0 | 80 | By-product of drinking water chlorination |
| Haloacetic Acids (HAA5) (ppb) | 2010 | No | 0 | | N/A | 60 | By-product of drinking water disinfection |
| Chlorine (ppm) | 2010 | No | .23-1.0 | 0.57 | N/A | 4 | Water additive; used for microbe control |
| **Inorganic Contaminants** | | | | | | | |
| Barium (ppb) | 2010 | No | 0.7-1.2 | | 2000 | 2000 | Discharge of drilling w astes; discharge from metal refineries; erosion of natural deposits |
| Chromium (ppb) | 2010 | No | 3.9-5.5 | | 100 | 100 | Discharge from steel and pulp mills; erosion of natural deposits |
| Fluoride (ppm) | 2010 | No | 0.613-1.38 | | 4 | 4 | Erosion of natural deposits; w ater additive w hich promotes strong teeth; discharge from fertilizer and aluminum factories |
| Selenium (ppb) | 2010 | No | 0.6 | | 50 | 50 | Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines |

The South Sunflower Water Association routinely monitors for constituents in your drinking water according to Federal and State laws. This table shows the results of our monitoring for the period of January 1st to December 31 , 2010. In cases where monitoring wasn't required in 2010, the table reflects the most recent results. As you can see by the table, our system had no violations. We're proud that your drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some constituents have been detected; however, the EPA has determined that your water **IS SAFE** at these levels.

Quality On Tap!

Our Commitment Our Profession

### Definitions

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

Maximum Contaminant Level (MCL)-The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG)-The "Goal" (MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Action Level- (AL)The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Parts per million (ppm) or Milligrams per liter (mg/l)-one part per million corresponds to one minute in two years or a single penny in $10,000.

Parts per billion (ppb) or Micrograms per liter-one part per billion corresponds to one minute in 2,000 years, or a single penny in $10,000,000.

### Where do we get our water?

Our water is purchased from the towns of Inverness and Indianola, whose wells draw from the Sparta and Meridian-Upper Wilcox aquifers.

A source water assessment has been completed for our public water system to determine the overall susceptibility of its drinking water supply and to identify potential sources of contamination. The wells of the towns of Inverness and Indianola have received a lower to moderate general susceptibility ranking. A report containing detailed information on how the susceptibility determinations were made has been furnished to our public water system and is available for viewing upon request.

### Contact Us

We want our valued customers to be informed about their water utility. If you have any questions, please call the South Sunflower Water Association at 662.379.6600, Monday through Friday from 8:00 am to 5:00 pm, ask for Micah Nightingale

**South Sunflower Water Assn.**
Public Water Supply
ID# 670013 & 670015

**P.O. Box 88**
**Inverness, MS 38753**
**Phone: 662-379-6600**